

## -- REQUEST-

The undersigned requests that the present international application be processed

For receiption of the first of	
•	
•	
International Application No.	
o o	•
International Filing Date	
_	
•	
Name of receiving Office and "PCT International Application	ı"

according to the Patent Cooperation Treaty. Applicant's or agent's file reference (if desired) (12 characters maximum) P071994WO/NPS TITLE OF INVENTION Box No. I Longitudinal Load Varying Device for Elongate Members Box No. II APPLICANT This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. Facsimile No. The Engineering Business Limited **Broomhaugh House** Teleprinter No. Riding Mill Northumberland NE44 6EG Applicant's registration No. with the Office United Kingdom State (that is, country) of nationality: State (that is, country) of residence: GB GB all designated States except the United States of America This person is applicant all designated the United States the States indicated in the Supplemental Box for the purposes of: Box No. III FURTHER APPLICANT(S) .AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only Grinsted, Timothy William **Beaumont House** applicant and inventor Stocksfield inventor only (If this check-box is marked, do not fill in below.) Northumberland NE43 7TN United Kingdom Applicant's registration No. with the Office State (that is, country) of nationality: State (that is, country) of residence: GB **GB** This person is applicant all designated States all designated States except the United States of America the United States the States indicated in for the purposes of: of America only the Supplemental Box Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: common representative Name and address: (Family name followed by given name; for a legal entity, full official designation.

The address must include postal code and name of country.) Telephone No. +44 (0) 113 233 0100 Harrison Goddard Foote Facsimile No. Belgrave Hall +44 (0) 113 233 0101 **Belgrave Street** Teleprinter No. LEEDS, LS2 8DD Agent's registration No. with the Office Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

DESIGNATION OF STATES	

Mark the applicable check-boxes below; at least one must be marked,

The following designations are hereby made under Rule 4.9(a): Regional Patent 🔣 AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line) 🔀 EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT A OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind National Patent (if other kind of protection or treatment desired, specify on dotted line): HU Hungary ...... PG Papua New Guinea AG Antigua and Barbuda PH Philippines ..... RO Romania BA Bosnia and Herzegovina ...... KE Kenya ..... KG Kyrgyzstan SC Seychelles BB Barbados BR Brazil..... 🔀 BY Belarus...... 🔀 KR Republic of Korea...... 🛣 SG Singapore CA Canada LC Saint Lucia SL Sierra Leone ..... CH & LI Switzerland and Liechtenstein 🔀 LK Sri Lanka SY Syrian Arab Republic ★ CH & LI Switzerland and Liechtenstein
★ LK Sri Lanka
★ SY Syrian Arab Republic

★ CN China
★ LR Liberia
★ TJ Tajikistan

★ CO Colombia
★ LS Lesotho
★ TM Turkmenistan CR Costa Rica ..... LT Lithuania TN Tunisia TR Turkey..... CZ Czech Republic . . . . . . . . . . LV Latvia TT Trinidad and Tobago ..... ..... I UA Ukraine ..... EE Estonia.... Macedonia ..... GB United Kingdom GD Grenada ZA South Africa..... ZM Zambia M Gambia Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

					•	
ՏԻ	eet	No			•	

Box No. VI PRIORITY CLAIM							
The priority of the following	earlier application(s) is here	by claimed:		. ,			
Filing date Number Where earlier application is:							
of earlier application (day/month/year)		national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office			
item (1) 1 November 2002 (01-11-02)	0225496.9	GB					
item (2)							
item (3)							
item (4)							
item (5)							
Further priority claims	are indicated in the Suppleme	ental Box.					
The receiving Office is requifithe earlier application was above as:	ested to prepare and transmit filed with the Office which for	to the International Bureau the purposes of this interna	tional application is the r	other, see			
	ion is an ARIPO application, in		_	Supplemental Box			
Industrial Property or one M	lember of the World Trade Or	ganization for which that e	arlier application was fil	ed (Rule 4.10(b)(ii)):			
Box No. VII INTERNAT	TIONAL SEARCHING AUT						
Choice of International Se international search, indicate	arching Authority (ISA) (if t e the Authority chosen; the two	wo or more International S -letter code may be used):	earching Authorities are	competent to carry out the			
ISA /			• • • • • • • • • • • • • • • • • • • •				
International Searching Auth				t by or requested from the			
Date (day/month/year)	Numb	oer Coun	try (or regional Office)				
Box No. VIII DECLARA	TIONS						
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable  Check-boxes below and indicate in the right column the number of each type of declaration):  Number of declarations							
Box No. VIII (i)	Declaration as to the identit	y of the inventor		: '			
Box No. VIII (ii)  Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent:							
Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :							
Box No. VIII (iv)	Declaration of inventorship United States of America)	p (only for the purposes of	the designation of the	:			
Box No. VIII (v)	Declaration as to non-preju	idicial disclosures or excep	otions to lack of novelty	:			

			4	
Sheet	No.			

Box No. IX CHECK LIST; LANGUAGE OF FILING							
This international application contains:  (a) in paper form, the following number of	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in	Number of items					
sheets:	right column the number of each item):  1.  fee calculation sheet	: 1					
request (including declaration sheets) : 4	2.  original separate power of attorney	•					
description (excluding	3.  original general power of attorney	:					
sequence listings and/or	4. Copy of general power of attorney; reference number,						
tables related thereto) : 11	if any:	: 2					
abstract : 1	5.  statement explaining lack of signature	:					
drawings : 4	6. priority document(s) identified in Box No. VI as	_					
Sub-total number of sheets: 25	item(s):	:					
sequence listings :	7. I translation of international application into	:					
tables related thereto :	8. separate indications concerning deposited microorganism						
(for both, actual number of	or other biological material	:					
sheets if filed in paper form, whether or not also filed in computer readable form;	<ol> <li>sequence listings in computer readable form (indicate type and number of carriers)</li> </ol>						
see (c) below)	<ul> <li>(i) copy submitted for the purposes of international search und Rule 13ter only (and not as part of the international applica-</li> </ul>	tion):					
(b) only in computer readable form	(ii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for purposes of international search under Rule 13ter	the :					
(Section 801(a)(i)) (i) sequence listings	(iii) I together with relevant statement as to the identity of the cop	у ог					
(ii) tables related thereto	copies with the sequence listings mentioned in left column  10.   tables in computer readable form related to sequence listings	:					
(c) also in computer readable form (Section 801(a)(ii))	(indicate type and number of carriers)	la-					
(i) ☐ sequence listings (ii) ☐ tables related thereto	<ul> <li>(i) copy submitted for the purposes of international search und Section 802(b-quater) only (and not as part of the international application)</li> </ul>	onal :					
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are	(ii) only where check-box (b)(ii) or (c)(ii) is marked in left column additional copies including, where applicable, the copy for	the					
contained the	purposes of international search under Section 802(b-quate (iii) together with relevant statement as to the identity of the cop						
tables related thereto:	encine with the tobles mentioned in left column						
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. X other (specify): cover letter, UK.Fee Sheet, Form 23/7.7	. :					
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English						
Box No. X SIGNATURE OF APPLICAN'	T, AGENT OR COMMON REPRESENTATIVE	ling the request).					
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).  Sanderson, Nigel Paul  Harrison Goddard Foote							
	— For receiving Office use only						
Date of actual receipt of the purported		awings:					
international application:	m.	received:					
Corrected date of actual receipt due to later be timely received papers or drawings complete the purported international application:	ut	eceived.					
4. Date of timely receipt of the required corrections under PCT Article 11(2):							
5. International Searching Authority (if two or more are competent): ISA /  6. Transmittal of search copy delayed until search fee is paid							
	For International Bureau use only						
Date of receipt of the record copy by the International Bureau:							

**PCT** 

## FEE CALCULATION SHEET Annex to the Request

Por receiving (	Jince use omy	
nternational Application No.		

	Annex	to the Request	International Application No.	
App	olicant's or agent's reference	P071994WO/NPS	Date stamp of the receiving Office	:-
Ap	olicant			•
	ne Engineering Bu	ısiness Ltd		
CA	LCULATION OF PRES	SCRIBED FEES		
1.	TRANSMITTAL FEE .		£55.00 T	
2.	SEARCH FEE		£640.00 S	
	International search to be (If two or more International search, indicate the name of	carried out by I Searching Authorities are competent to carry or the Authority which is chosen to carry out the in	ut the international ternational search.)	
3.	INTERNATIONAL FEE Basic Fee			
		e) of Box No. IX apply, enter Sub-total nu	mber of sheets	
	Where items (b) and (c) of	of Box No. IX do not apply, enter Total nu	mber of sheets }	
	bl first 30 sheets		£278.00 b1	
	<u></u>	x . =	b2	
	number of shee		~~~~	
	b3 additional componer	ont (only if sequence listings and/or tables no tomputer readable form under Section 801 and on paper, under Section 801(a)(ii)):	related FAXED CON	FIRMATION
	<b></b>	400 x =	b3	
	Add amounts antered at h	ol, b2 and b3 and enter total at B	£278.00 B	
	Designation Fees	or, 02 and 03 and enter total at B		
		tion contains <u>all</u> designations.		
	5	x £60.00 =	£300.00 D	
	number of designation fe payable (maximum 5)	ees amount of designation fee		
		and Dand enter total at I	£578.00 I	
	(Applicants from certain international fee. Where the	States are entitled to a reduction of 75% e applicant is (or all applicants are) so entitled f the sum of the amounts entered at B and D	% of the l, the total	
		OCUMENT (if applicable)	£22.00 P	
_		_	£1295.00	{
	TOTAL FEES PAYABLE	E	TOTAL	
	The designation fees ar	e not paid at this time.		-
	DDE OF PAYMENT authorization to charge			
X	deposit account (see belo	ow) postal money order L	coupons	
	cheque	bank draft	revenue stamps other (spec	ify):
AU (Th	THORIZATION TO CF is mode of payment may no	HARGE (OR CREDIT) DEPOSIT ACCO to the available at all receiving Offices)	Neceiving Office: RO/ GB	
P	Anthodonic to the	the total food indicated chara	Deposit Account No.: DO	2973
X	·	the total fees indicated above.  narked only if the conditions for deposit accou	Date: 31 November 20	03
X	of the receiving Office so	permit) Authorization to charge any deficient to the total fees indicated above.	Name: Harrison Godda	ard Foote
X		the fee for priority document.	Signature: NZW Zum	<u></u>

Form PCT/RO/101 (Annex) (January 2003; reprint July 2003)

See Notes to the fee calculation sheet